



Sideview (enlarged)

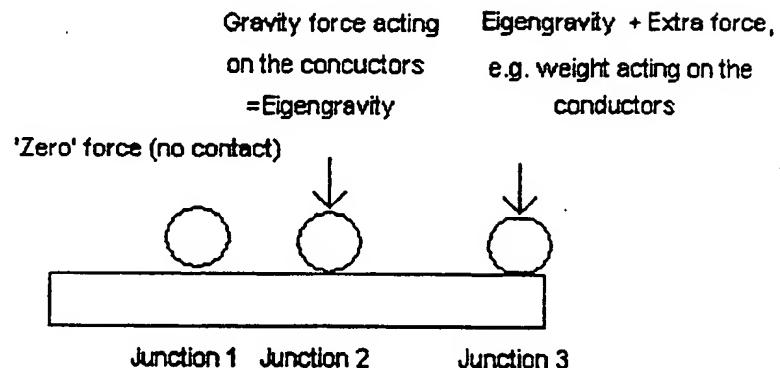


FIG. 1

Wiring Diagram

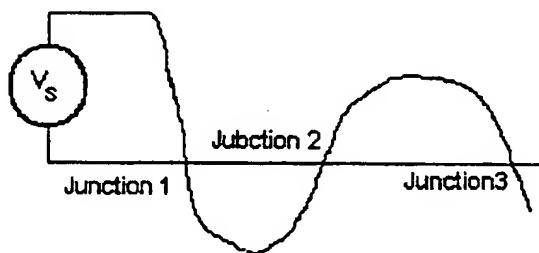


FIG. 2

Sideview 2 (enlarged)

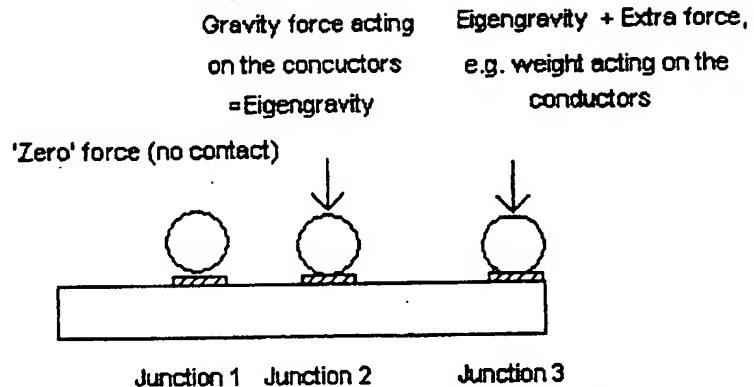


FIG. 3

Wiring Diagram 2

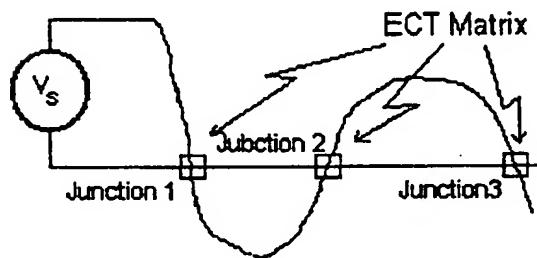


FIG. 4

Sideview 2 (enlarged)

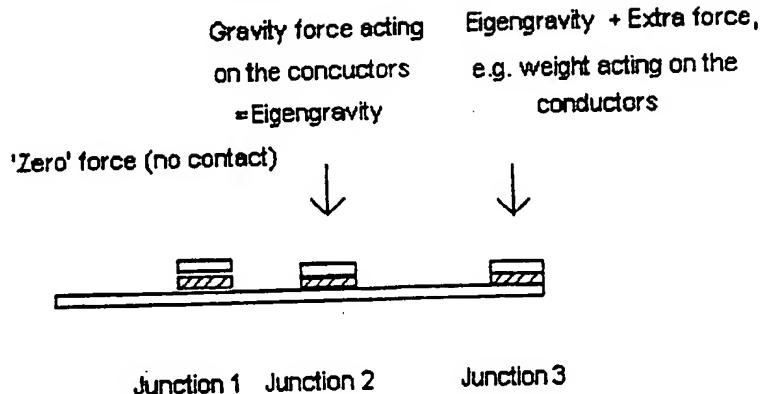


FIG. 5

Sideview 3 (enlarged)

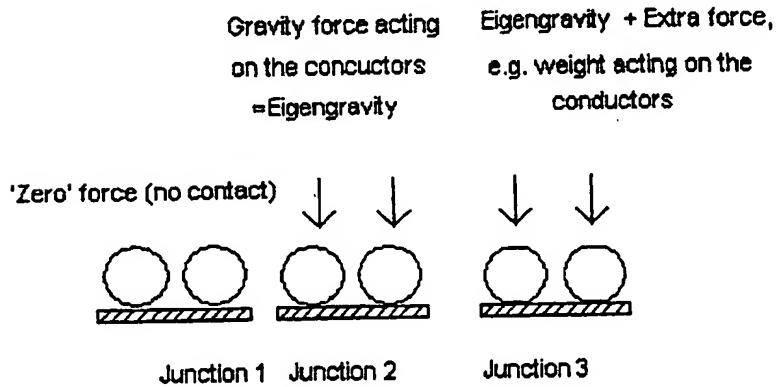


FIG. 6

Sideview 4 (enlarged)

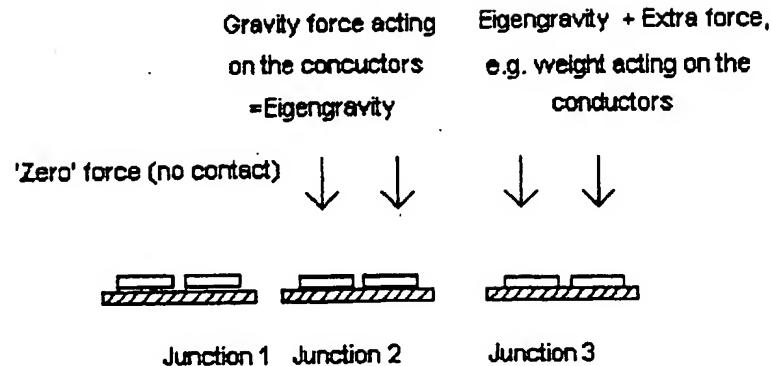


FIG. 7

Sideview 5 (enlarged)

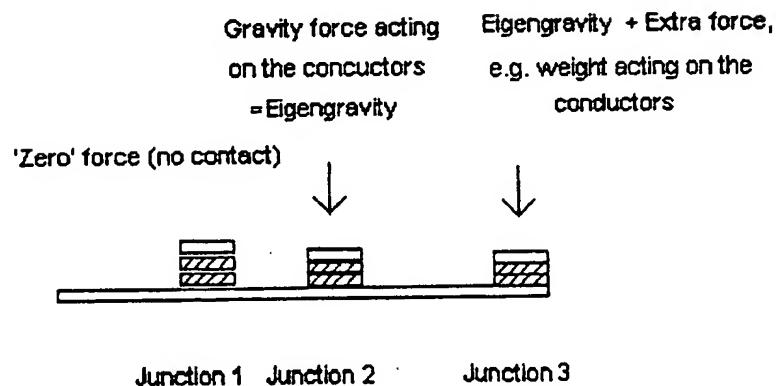
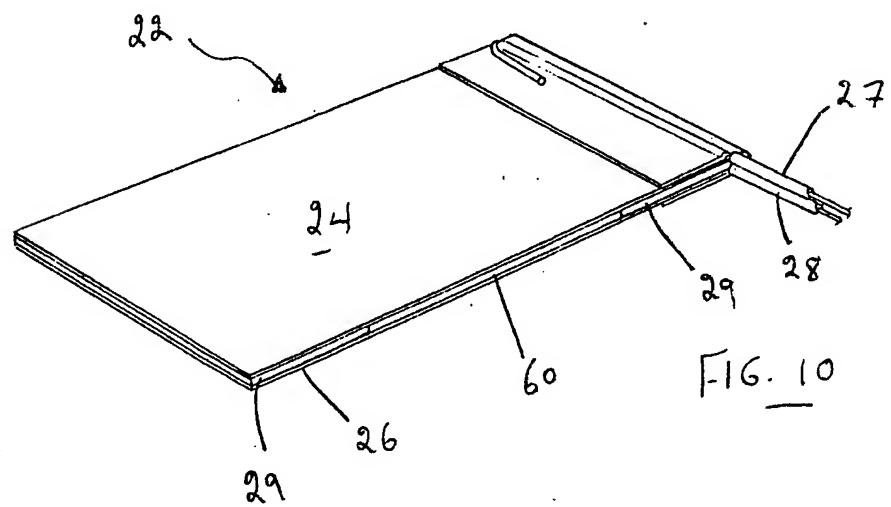
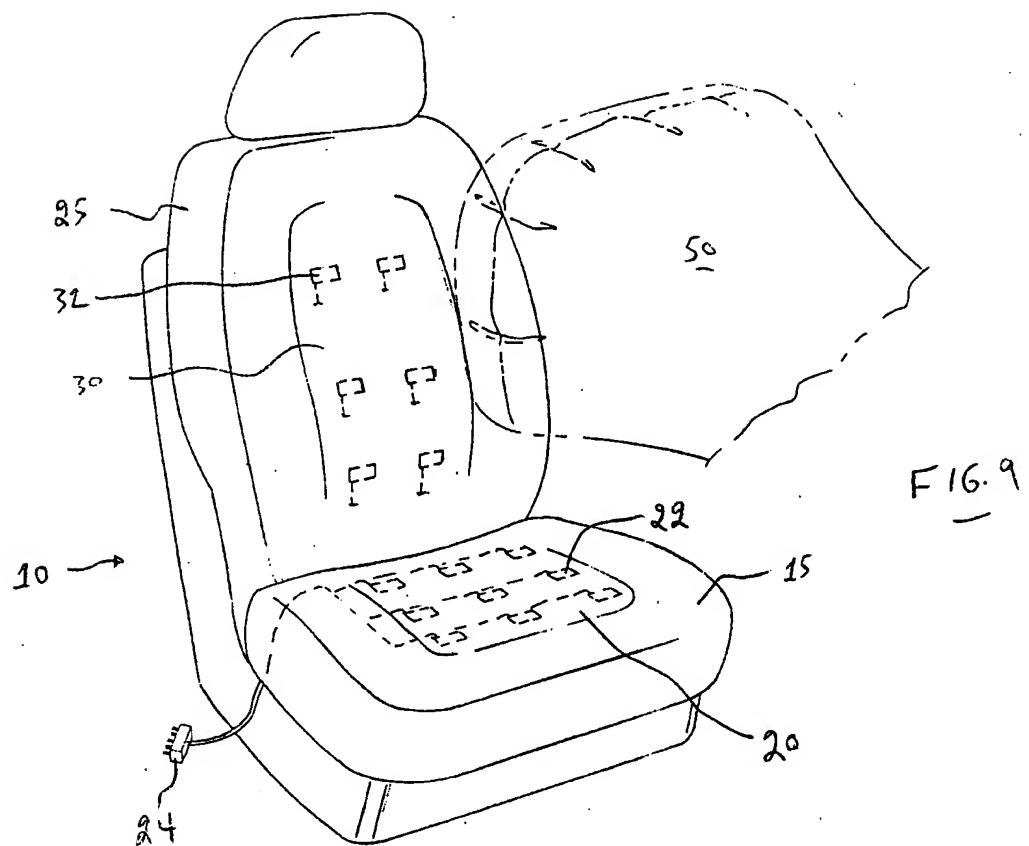


FIG. 8

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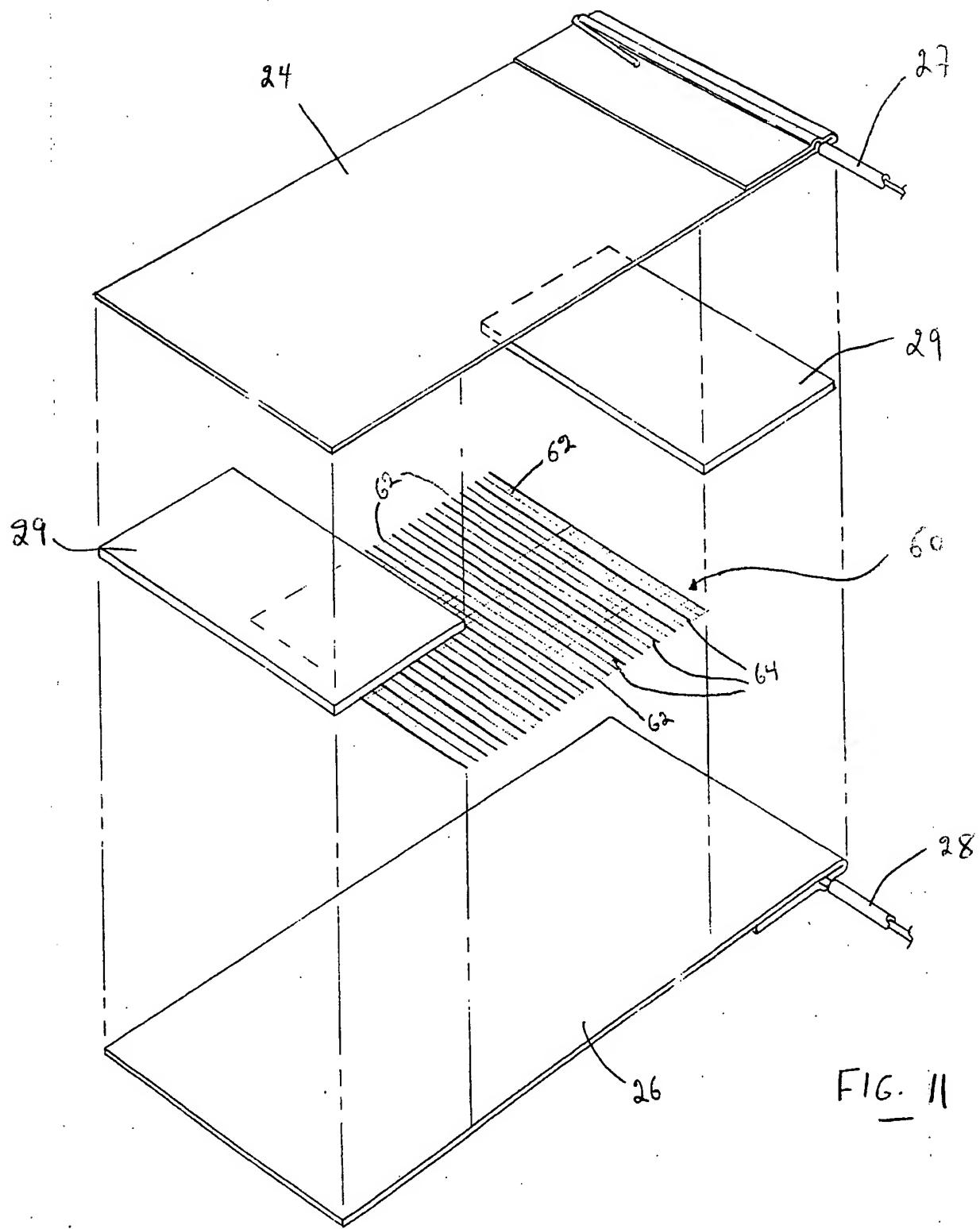
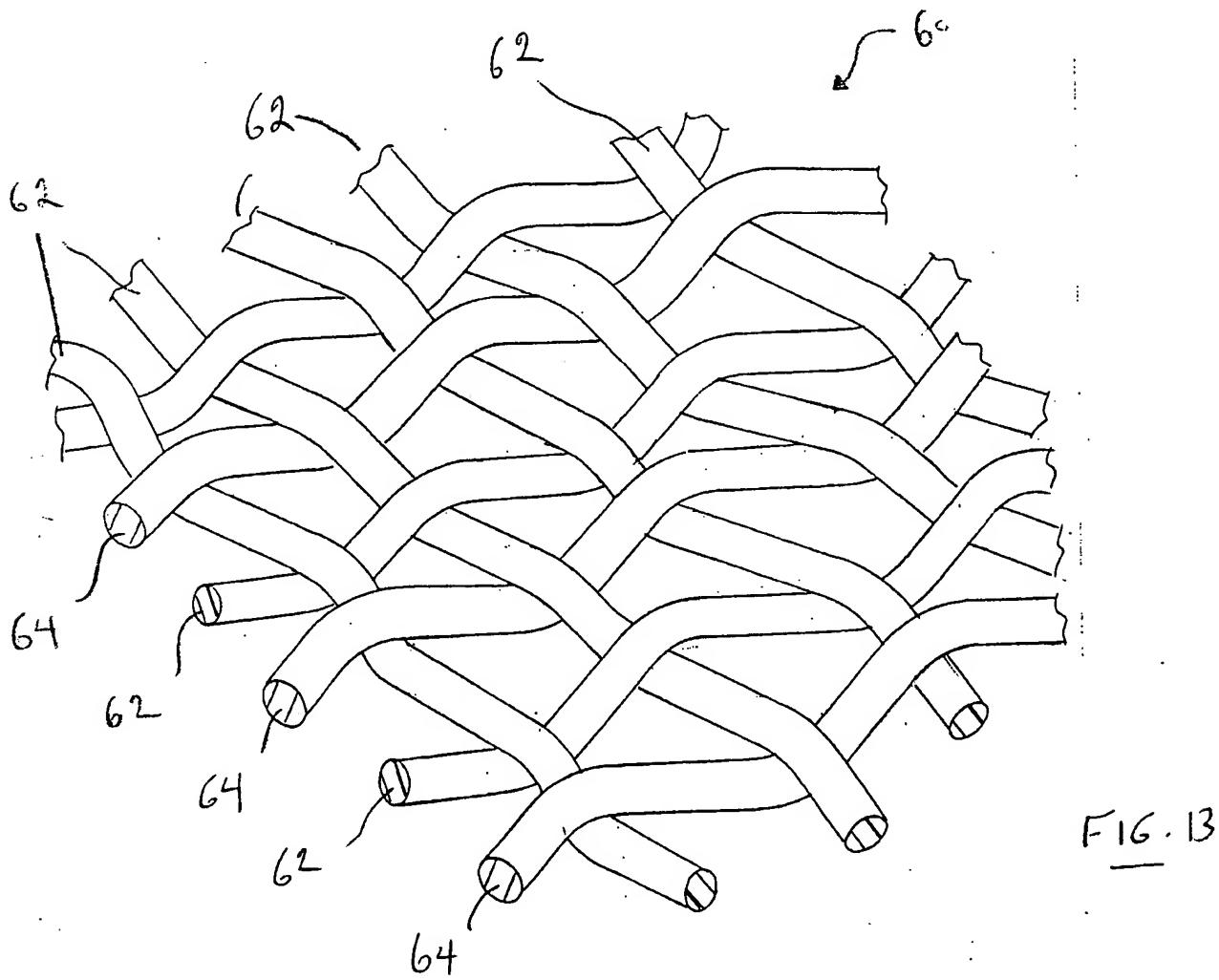
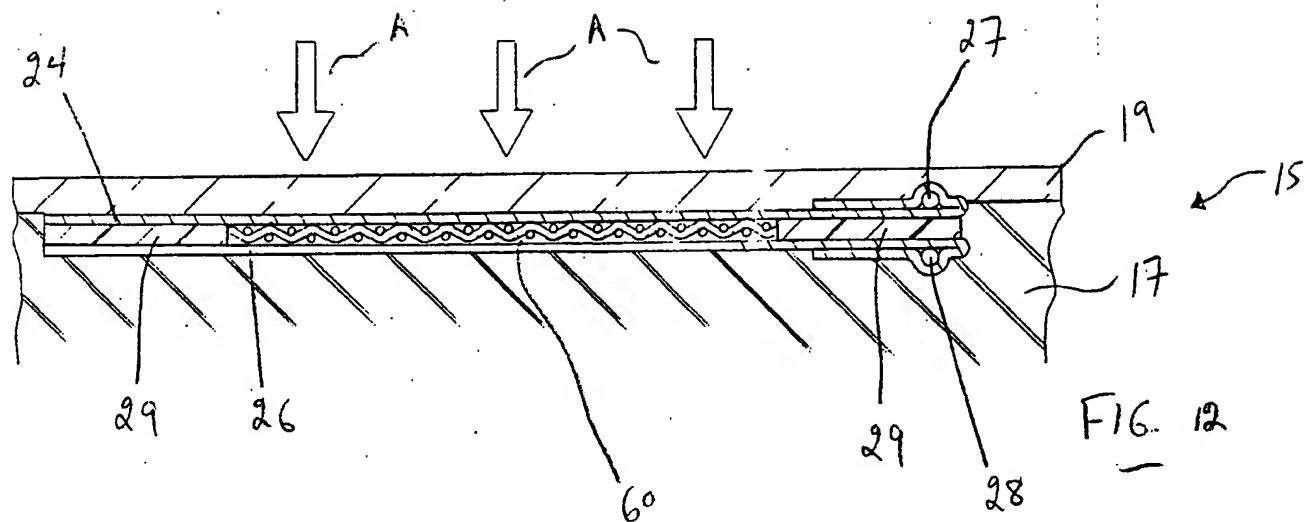


FIG. 11

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BEST AVAILABLE COP

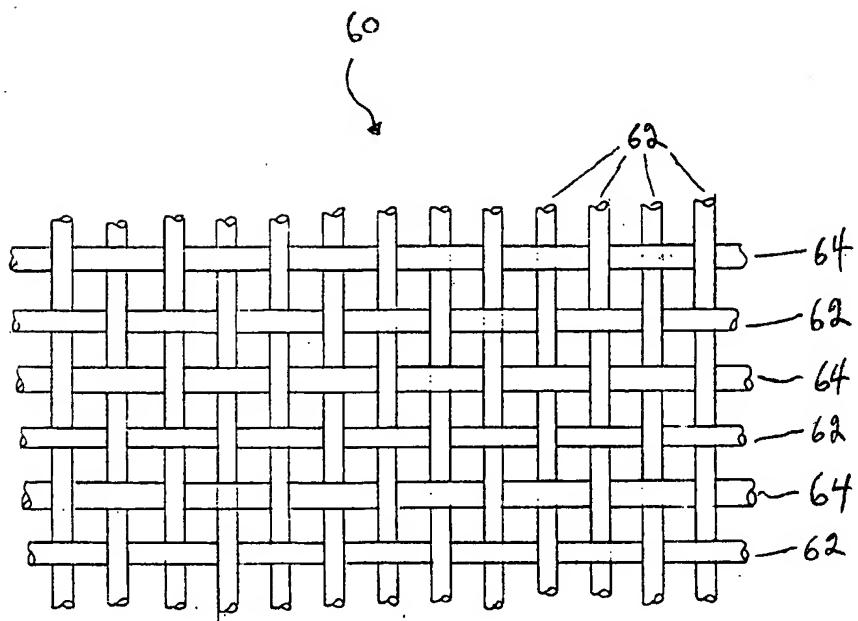


FIG. 14

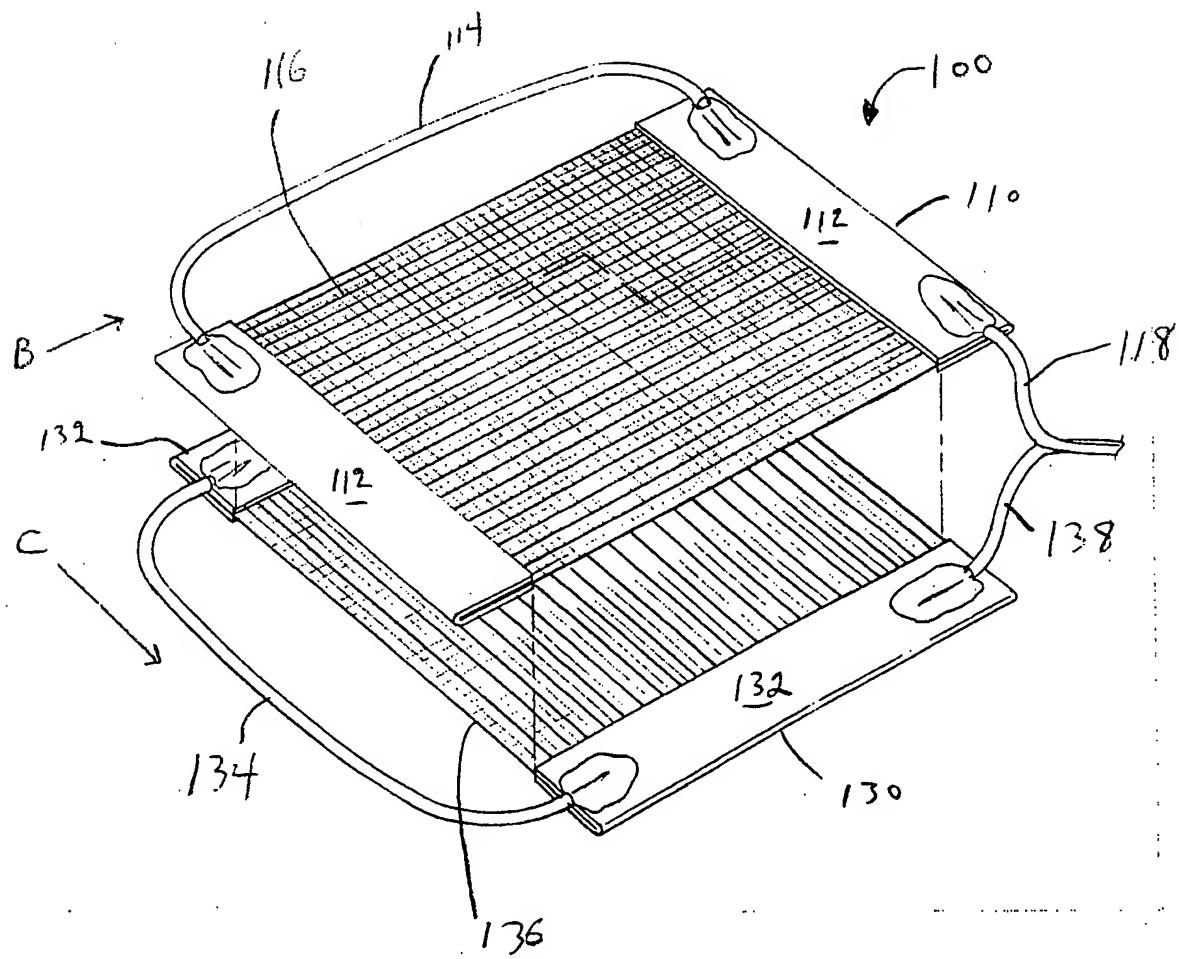
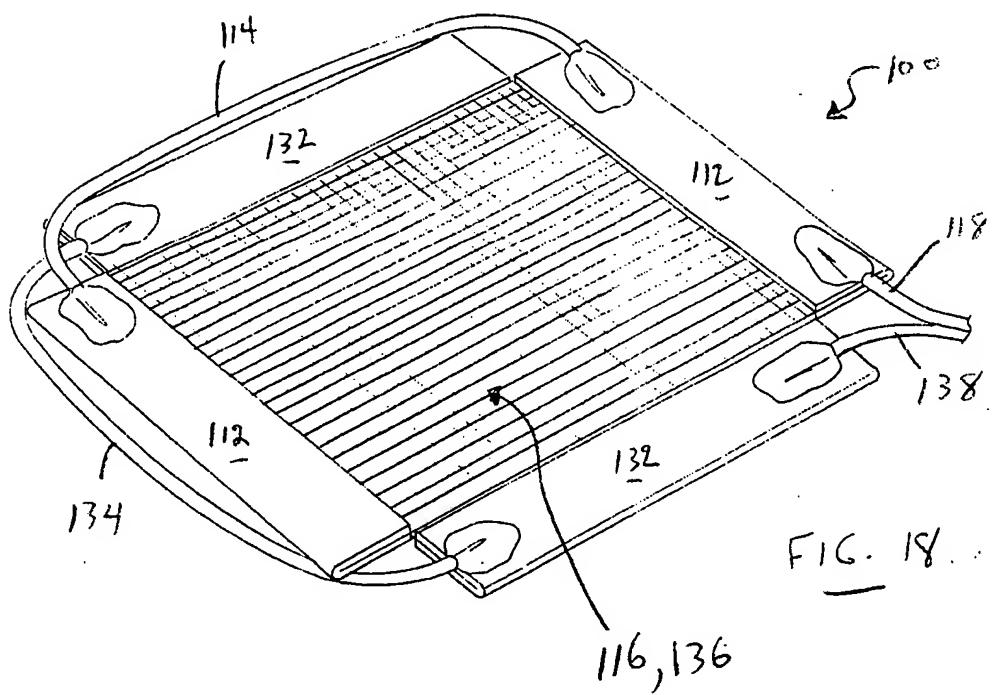
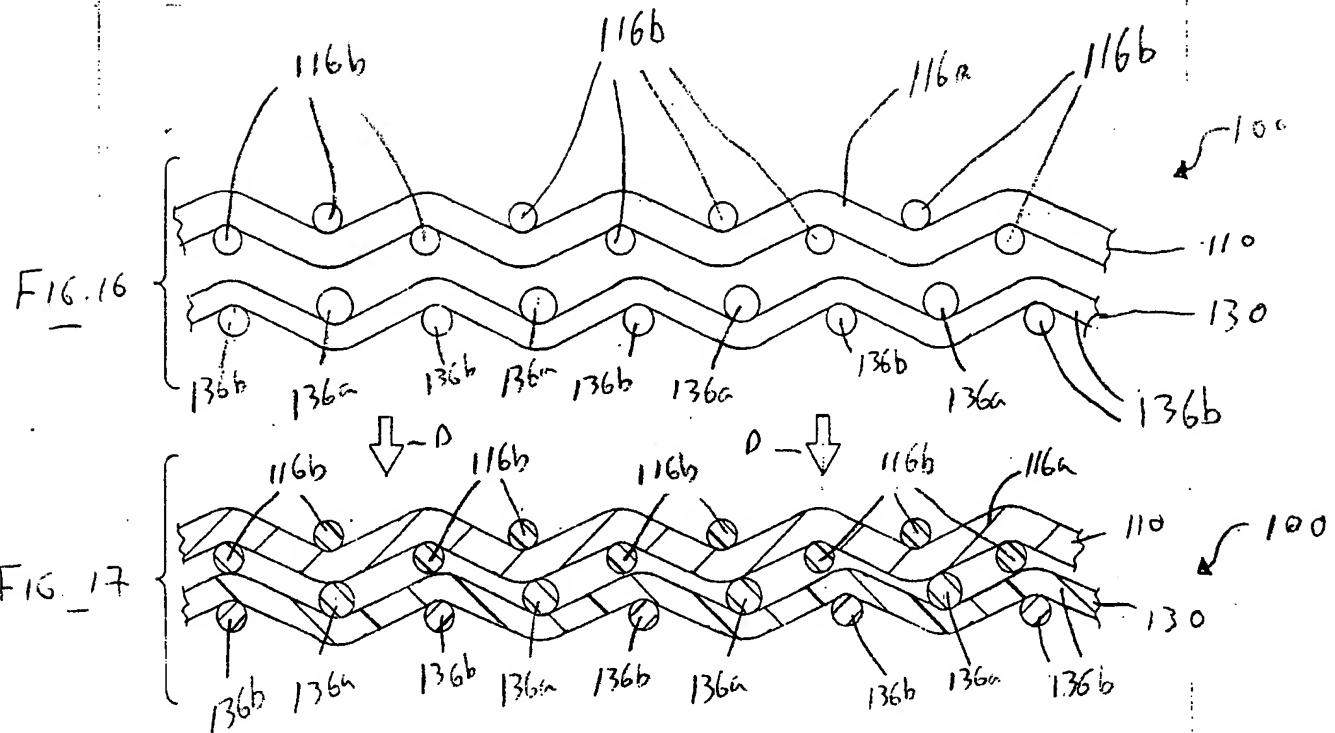
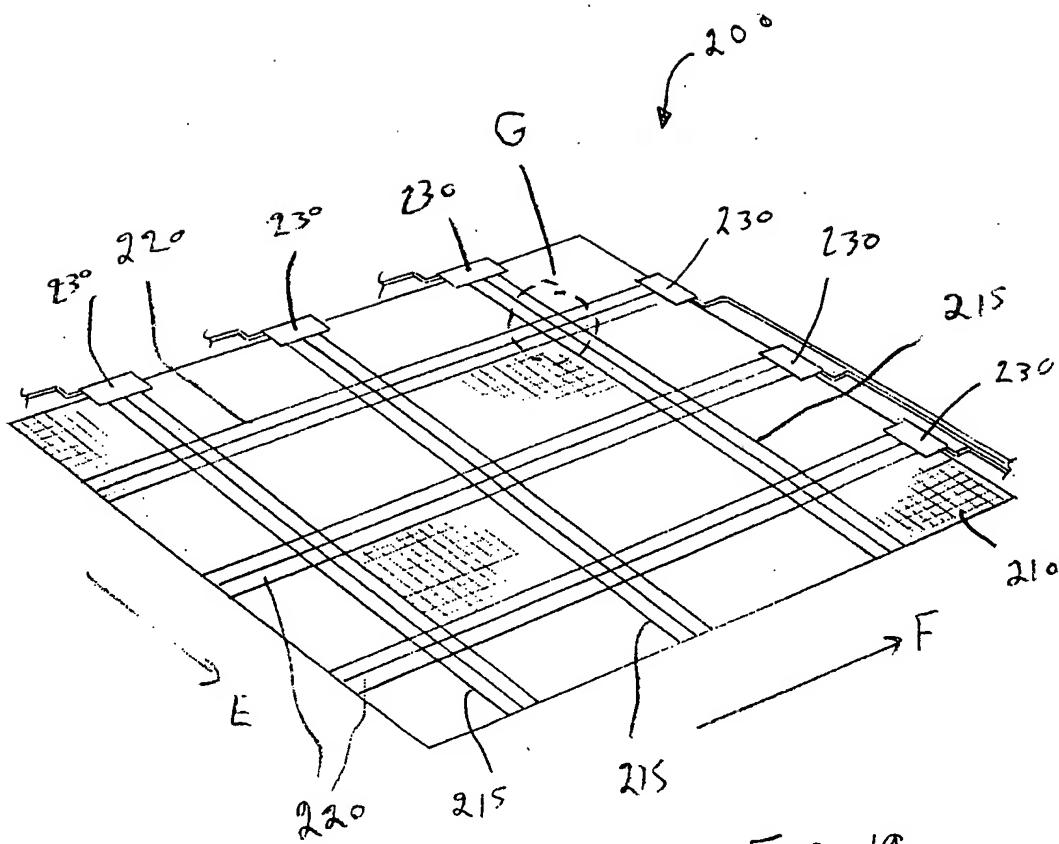


FIG. 15

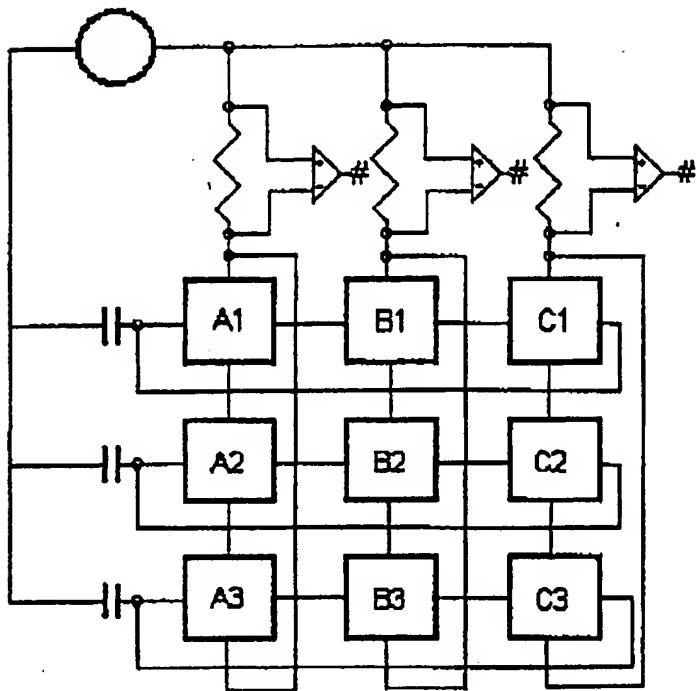
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MAT sensor Wiring Diagram for a 3 * 3 configuration with wiring reduction

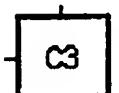


Nomenclature:

○ connection point

○ power supply

+/- switching device

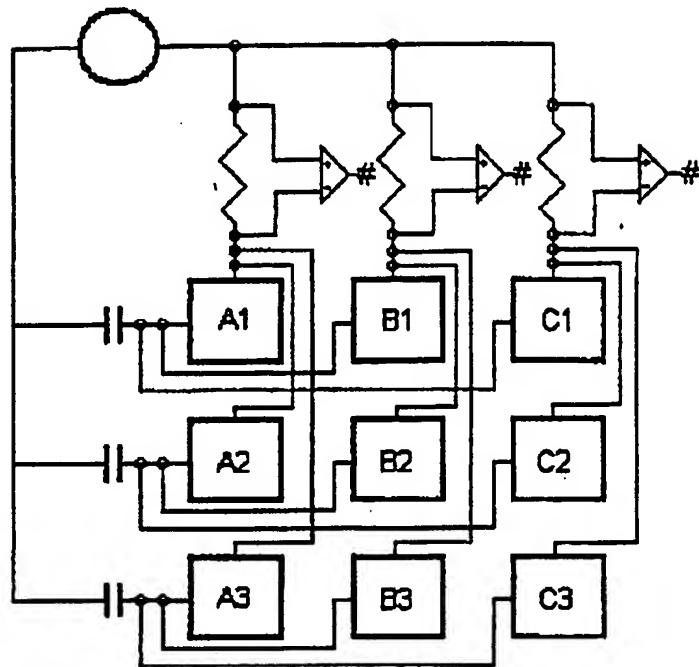
 ECT sensor

 Analog/Digital Converter

 Resistor

FIG. 40

MAT sensor Wiring Diagram for a 3 * 3 configuration



Nomenclature:

▫ connection point

○ power supply

⊕-⊖ switching device

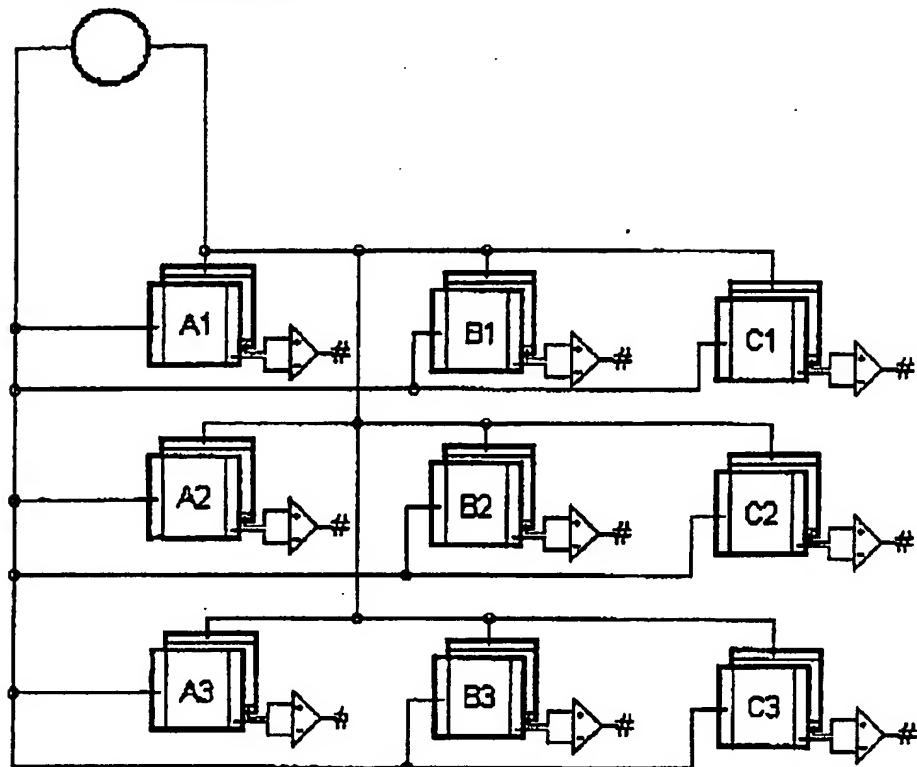
□ ECT sensor

→ # Analog/Digital Converter

~~~~ Resistor

FIG. 01

MAT sensor Wiring Diagram for a 3 \* 3 configuration with Wheatstone effect, no switching devices



Nomenclature:

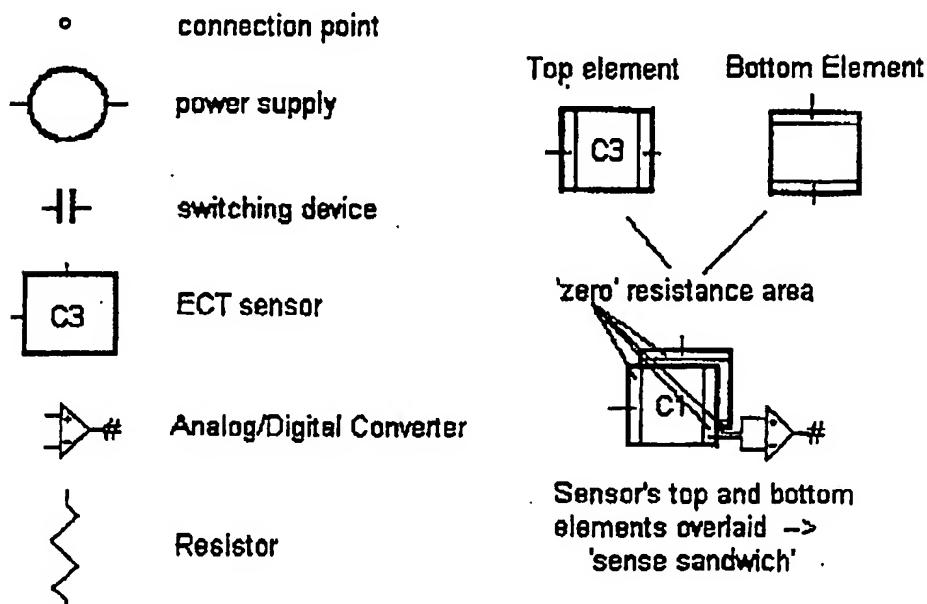
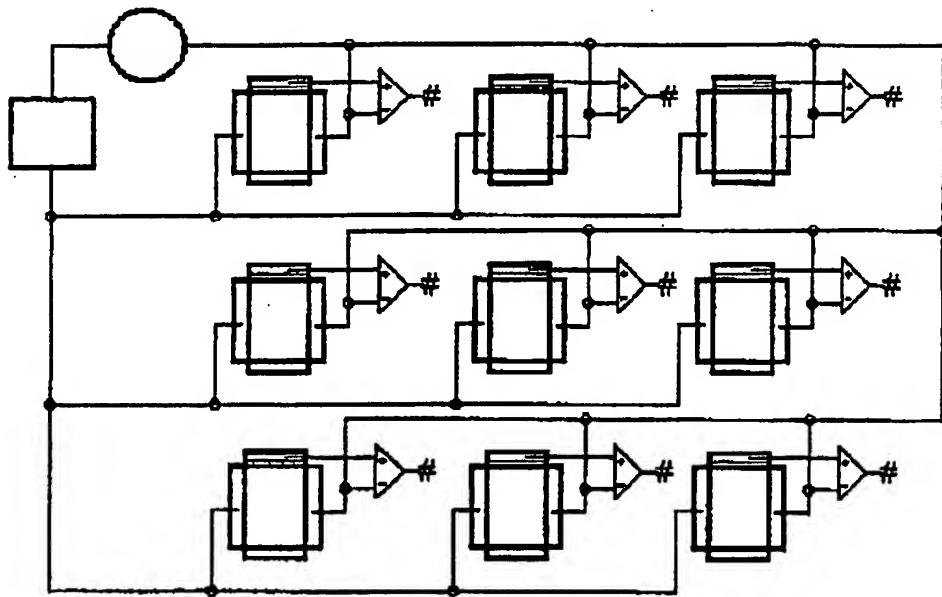
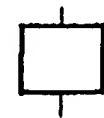


FIG. 22

MAT sensor Wiring Diagram for a 3 \* 3  
configuration with heat and sense elements converged



Nomenclature:



voltage controller  
for heat and sense



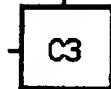
connection point



power supply



switching device

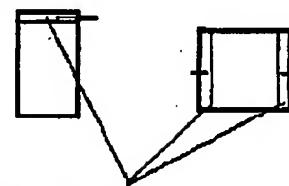


ECT sensor

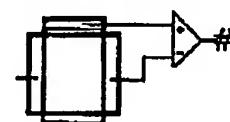


Analog/Digital Converter

Sensor  
Top element      Heater  
Bottom Element



'zern' resistance area



Sensor and heater sandwich  
conversion

FIG. 23